

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A liquid crystal display device comprising:

a substrate;

first conductive layers on the substrate;

a first insulating layer on the first conductive layers, the first insulating layer having a contact hole exposing a portion of the first conductive layers;

a semiconductor layer on the first insulating layer ~~conductive layers~~;

second conductive layers on the semiconductor layer;

third conductive layers on the second conductive layers;

a second insulating layer on the third conductive layers, the second insulating layer having a first contact hole exposing a portion of the third conductive layers, and a second contact hole exposing the portion of the first conductive layers exposed by the first insulating layer;

a fourth conductive layer on the second insulating layer and electrically contacting a portion of the third conductive layers;

a fifth conductive layer on the second insulating layer and electrically contacting the first conductive layers through the second contact hole; and

sixth conductive layers between and in contact with both the exposed portion of the third conductive layers and the fourth conductive layer, and between and in contact with both the first conductive layers and the fifth conductive layer,

wherein the sixth conductive layers are only formed in the first contact hole and in the contact hole of the first insulating layer.

2. (Previously Presented) The liquid crystal display device according to claim 1, wherein the first conductive layers include a metal.

3. (Original) The liquid crystal display device according to claim 2, wherein the metal includes Al.

4. (Previously Presented) The liquid crystal display device according to claim 1, wherein the second conductive layers include an impurity doped semiconductor.

5. (Previously Presented) The liquid crystal display device according to claim 4, wherein the third conductive layers have first and second parts spaced from each other and the semiconductor is etched between the first and second parts of the third conductive layers.

6. (Previously Presented) The liquid crystal display device according to claim 1, wherein the third conductive layers include a metal.

7. (Original) The liquid crystal display device according to claim 1, wherein the fourth conductive layer includes a transparent electrode.

8. (Previously Presented) The liquid crystal display device according to claim 1, wherein the sixth conductive layers include a metal.

9. (Original) The liquid crystal display device according to claim 8, wherein the metal is selected from the group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

10. (Canceled)

11. (Withdrawn) The liquid crystal display device comprising:

a substrate having first and second regions;

a thin film transistor on the first region of the substrate;

a pad portion on the second region of the substrate, the pad portion including:

a first conductive layer on the substrate;

a first insulating layer on the first conductive layer;

a second insulating layer on the first insulating layer, the second insulating layer having a hole exposing a portion the first conductive layer;

a second conductive layer on the portion of the first conductive layer and contacting the first conductive layer; and

a third conductive layer on the second insulating layer and contacting the second conductive layer through the hole in the second insulating layer.

12. (Withdrawn) The liquid crystal display device according to claim 1, wherein the first conductive layer includes a metal.

13. (Withdrawn) The liquid crystal display device according to claim 12, wherein the metal includes Al.

14. (Withdrawn) The liquid crystal display device according to claim 12, wherein the third conductive layer includes a transparent electrode.

15. (Withdrawn) The liquid crystal display device according to claim 12, wherein the second conductive layer includes a metal.

16. (Withdrawn) The liquid crystal display device according to claim 15, wherein the metal is selected from the group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

17. (Withdrawn) A liquid crystal display device comprising:

a substrate having first and second regions;

a switching device on the first region of the substrate, the switching device including:

a first conductive layer on the substrate;

a first insulating layer on the first conductive layer;

a second conductive layer on the first insulating layer;

a third conductive layer on the second conductive layer;

a second insulating layer on the third conductive layer, the second insulating layer having a first hole exposing a portion of the third conductive layer;

a fourth conductive layer on the second insulating layer and electrically contacting the third conductive layer; and

a fifth conductive layer between the third conductive layer and the fourth conductive layer; and

a pad portion on the second region of the substrate, the pad portion including:

the first conductive layer on the substrate;

the first insulating layer on the first conductive layer;

the second insulating layer on the first insulating layer, the second insulating layer having a second hole exposing a portion the first conductive layer;

the fifth conductive layer on the portion of the first conductive layer and contacting the first conductive layer; and

the fourth conductive layer on the second insulating layer and contacting the fifth conductive layer through the second hole in the second insulating layer.

18. (Withdrawn) The liquid crystal display device according to claim 17, wherein fifth conductive layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

19. (Withdrawn) A liquid crystal display device comprising:

a substrate;

a gate electrode on the substrate;

an insulating layer on the gate electrode;

a semiconductor layer on the insulating layer;

an ohmic contact layer on the semiconductor layer;

source and drain electrodes on the ohmic contact layer;

a protective layer on the source and drain electrodes, the protective layer having a hole exposing a portion of one of the source and drain electrodes;

a conductive electrode on the protective layer and electrically contacting the one of the source and drain electrodes; and

a contact layer between the one of the source and drain electrodes and the conductive electrode.

20. (Withdrawn) The liquid crystal display device according to claim 19, further comprising a pad portion on the substrate, the pad portion including:

a conductive pad on the substrate;

the insulating layer on the conductive pad;

the protective layer on the insulating layer, the protective layer having a second hole over the pad;

the contact layer contacting the pad through the second hole; and

the conductive electrode contacting the contact layer through the second hole.

21. (Withdrawn) The liquid crystal display device according to claim 19, wherein the contact layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

22. (Withdrawn) A method of fabricating a liquid crystal display device comprising:

forming a switching device on a first region of a substrate, the switching device including:

a first conductive layer on the substrate;

a first insulating layer on the first conductive layer;

a second conductive layer on the first insulating layer;

a third conductive layer on the second conductive layer;

a second insulating layer on the third conductive layer, the second insulating layer having a first hole exposing a portion of the third conductive layer;

a fourth conductive layer on the second insulating layer and electrically contacting the third conductive layer; and

a fifth conductive layer between the third conductive layer and the fourth conductive layer; and

forming a pad portion on a second region of the substrate, the pad portion including:

the first conductive layer on the substrate;

the first insulating layer on the first conductive layer;

the second insulating layer on the first insulating layer, the second insulating layer having a second hole exposing a portion the first conductive layer;

the fifth conductive layer on the portion of the first conductive layer and contacting the first conductive layer; and

the fourth conductive layer on the second insulating layer and contacting the fifth conductive layer through the second hole in the second insulating layer.

23. (Withdrawn) The method according to claim 22, wherein fifth conductive layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

24. (Withdrawn) A method of forming a liquid crystal display device comprising:

forming a gate electrode on a substrate;

forming an insulating layer on the gate electrode;

forming a semiconductor layer on the insulating layer;

forming an ohmic contact layer on the semiconductor layer;

forming source and drain electrodes on the ohmic contact layer;

forming a protective layer on the source and drain electrodes, the protective layer having a hole exposing a portion of one of the source and drain electrodes;

forming a conductive electrode on the protective layer and electrically contacting the one of the source and drain electrodes; and

forming a contact layer between the one of the source and drain electrodes and the conductive electrode.

25. (Withdrawn) The method according to claim 24, further comprising forming a pad portion on the substrate, the pad portion including:

a conductive pad on the substrate;

the insulating layer on the conductive pad;

the protective layer on the insulating layer, the protective layer having a second hole over the pad;

the contact layer contacting the pad through the second hole; and

the conductive electrode contacting the contact layer through the second hole.

26. (Withdrawn) The method according to claim 25, wherein the contact layer is selected from a group consisting of Mo, Ni, Cr, Cu, Ag and Pb.

27. (Previously Presented) The liquid crystal display device according to claim 1, wherein the first conductive layers are formed of a single metal and the third conductive layers are formed of a single metal.

28. (New) The liquid crystal display device according to claim 1, wherein the sixth conductive layers are only formed on the portion of the third conductive layers exposed by the first contact hole and on the portion of the first conductive layers exposed by the contact hole.